

Phosphorus macrocycles and cryptands

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Abstract

The reviews covers authors' studies dealing with the synthesis of PIII- and PV-containing macrocycles and cryptands. The separation, structural characterization, and the chemical properties of a number of homeomorphic compounds with in,out bridgehead phosphorus atoms are described. Modification of the in-positions in macrobicyclic compounds with bulky groups is described for the first time.

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Keywords

cryptands, crystal structure, in,out-isomers, macrocycles, phosphites, the Staudinger reaction